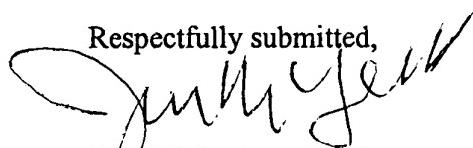


information, and no inference should be made that the information and references are cited are, or are considered to be material to patentability because they are in this statement. No inference should be made that the information and references cited are prior art merely because they are in this statement.

Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the mailing of the first Office Action. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Jean M. Lockyer, Ph.D.
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SF 1338895 v1

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of 2

C mplete if Known

Application Number	09/546,986
Filing Date	April 11, 2000
First Named Inventor	Powers, Scott
Group Art Unit	1646
Examiner Name	Mertz, Prema Maria

Attorney Docket Number

018781-004720US

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	BB	PCT	WO 96/30406	A1	Human Genome Sciences, Inc.	10-03-1996		
	BC	PCT	WO 01/68805	A2	Senomyx, Inc.	09-20-2001		

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbol as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	09/546,986
				Filing Date	April 11, 2000
				First Named Inventor	Powers, Scott
				Group Art Unit	1646
				Examiner Name	Mertz, Prema Maria
Sheet	2	of	2	Attorney Docket Number	018781-004720US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	C1	Birren, B. et al. "Homo sapiens chromosome 18, clone RP11-482N10" DATABASE GENEMBL (Online) Accession AC023386, nucleotides 98850-993300 and nucleotides 75400-76070.		
	C2	Buck, et al. "A Novel Multigene Family May Encode Odorant Receptors: A Molecular Basis for Odor Recognition" <i>Cell</i> (April 1991) Vol. 65, pp. 175-187.		
	C3	Carmeci, et al. "Identification of a Gene (GPR30) with Homology to the G-Protein-Coupled Receptor Superfamily Associated with Estrogen Receptor Expression in Breast Cancer" <i>Genomics</i> (November 1997) Vol. 45(3); pp. 607-617.		
	C4	Drutel, G. et al. "Cloning of OL1, A Putative Olfactory Receptor and Its Expression in the Developing Rat Heart" <i>Receptors and Channels</i> (1995) Vo. 3, pp. 33-40.		
	C5	Mikayama, et al. "Molecular Cloning and Functional Expression of a cDNA Encoding Glycosylation-inhibition Factor" <i>Proc. Natl. Acad. Sci USA</i> (November 1993) Vol. 90, pp. 10056-10060.		
	C6	Nef, et al. "Spatial Pattern of Receptor Expression in the Olfactory Epithelium" <i>Proc. of Nat. Acad. Sci. USA</i> (October 1992) Vol. 89; pp. 8948-8952.		
	C7	Voet, et al. "Sickle-Cell Anemia: The Influence of Natural Selection" <i>Biochemistry, 10th Ed. published by John Wiley & Sons, Inc. (1990)</i> , pp. 228-234.		

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

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SF 1338895 v1

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Assistant Commissioner for Patents
Washington, D.C. 20231

PATENT
Attorney Docket No.: 018781-004720US
Client Reference No.: T99-024-2

On 9/20/01

TOWNSEND and TOWNSEND and CREW LLP

By: A. Fredericue

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Powers, *et al.*

Application No.: 09/546,986

Filed: April 11, 2000

For: NOVEL G-PROTEIN COUPLED
RECEPTORS

Examiner: Prema Mertz, Ph.D.

Art Unit: 1646

**SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT UNDER 37
CFR §1.97 and §1.98**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The reference cited on attached form PTO-SB/08A is being called to the attention of the Examiner. A copy of the reference (page 1-176) is enclosed. The printed version of the formal sequence listing was not enclosed as it was nearly 1800 pages long. It is respectfully requested that the cited reference be expressly considered during the prosecution of this application, and the reference be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and

Application No.: 09/546,986
Page 2

no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

This IDS is being submitted prior to the first Office Action on the merits.

CERTIFICATION

I hereby certify that no item of information in the information disclosure statement filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in Section 1.56(c) more than three months prior to the filing of this information disclosure statement.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Jean M. Lockyer, Ph.D.
Reg. No. 44,879

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SF 1271034 v1

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Approved for use through 10/31/2002. OMB 0651-0031

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO		<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/546,986
		Filing Date	April 11, 2000
		First Named Inventor	Powers, Scott
		Group Art Unit	1646
		Examiner Name	Prema Mertz, Ph.D.
Sheet	1	of	1
		Attorney Docket Number	018781-004720US

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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SE 1271031 v1

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PATENT

Attorney Docket No.: 018781-004720US

Assistant Commissioner for Patents
Washington, D.C. 20231

On SEPT. 6, 2000

TOWNSEND and TOWNSEND and CREW LLP

By: Sharen J. Saino

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Scott Powers, et al.

Application No.: 09/546,986

Filed: April 11, 2000

For: NOVEL G-PROTEIN COUPLED
RECEPTORS

Examiner: Not Assigned

Art Unit: 1614

**INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The references cited on attached form PTO-1449 are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

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no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

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Respectfully submitted,



Annette S. Parent
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SF 1132247 v1

FORM PTO-1449 (Modified)			Attorney Docket No.: 018781-004720US		Application No.: 09/546,986		
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			Applicant: Scott Powers, et al.				
			Filing Date: April 11, 2000		Group: 1614		
Reference Designation		U.S. PATENT DOCUMENTS				Page 1	
Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)	
FOREIGN PATENT DOCUMENTS							
	Document No.	Date	Country	Class	Sub-class	Translation (Yes/No)	
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
<u> AA </u>	Buck, et al. "A Novel Multigene Family May Encode Odorant Receptors: A Molecular Basis for Odor Recognition"; <i>Cell</i> , Vol. 65, 175-187, April, 1991.						
EXAMINER		DATE CONSIDERED					

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.